## Index of Claims

## Application/Control No.

ROSS A. WILLIAMS

Applicant(s)/Patent under Reexamination

09/654,949 Examiner BRITTINGHAM ET AL.

| 7 | Rejected |
|---|----------|
| = | Allowed  |

| - | (Through numeral)<br>Cancelled |
|---|--------------------------------|
| ÷ | Restricted                     |

| z | Non-Elected  |
|---|--------------|
| - | Interference |

| A | Appeal   |
|---|----------|
| o | Objected |

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|       |          | _             | _        |               | _      |               | ı        | ш        |          |          |          |          |               |         | _        |               |               |               |     |          |            |          |   |           |               |          |               |          |          |   |
|-------|----------|---------------|----------|---------------|--------|---------------|----------|----------|----------|----------|----------|----------|---------------|---------|----------|---------------|---------------|---------------|-----|----------|------------|----------|---|-----------|---------------|----------|---------------|----------|----------|---|
| CI    | aim      | _             |          |               |        | Date          |          |          | $\neg$   | Cle      | aim      |          |               |         | Date     | _             |               |               | 1   | Cla      | aim        |          |   |           | Г             | ate      | _             |          |          | _ |
| - 01  |          | $\vdash$      |          | Т             |        | $\overline{}$ | ŤТ       | П        | -        | - 010    |          |          | Т             | $\neg$  | T        | ĬТ            | т             | $\overline{}$ | 1   |          |            |          |   | П         | Ť             | T        | $\overline{}$ | Т        | П        | _ |
| Final | Original | 4/20/07       | 11/16/07 | 6/18/08       | 5/7/10 | 10/19/10      |          |          |          | Final    | Original |          |               |         |          |               |               |               |     | Final    | Original   |          |   |           |               |          |               |          |          |   |
|       | 1        | 1             | V        | 1             | V      | 1             | $\vdash$ | +        | _        |          | 51       | Н        | $^{+}$        | +       | $^{+}$   | $\vdash$      | $^{+}$        | $\pm$         | ĺ   |          | 101        | $\vdash$ | Н | $\vdash$  | $\neg$        | $\neg$   | $\neg$        | _        | $\dashv$ | _ |
|       | 2        | V             | V        | V             | V      | V             |          | $\Box$   | _        |          | 52       |          | $\top$        |         |          |               | 1             | $\top$        | i   |          | 102        |          |   |           |               |          | $\neg$        | _        | $\neg$   | _ |
|       | 3        | V             | V        | V             | V      | V             |          |          | _        |          | 53       |          | $\top$        |         |          |               | 7             | $\top$        | 1   |          | 103        |          |   |           |               |          |               |          | $\neg$   |   |
|       | 4        | V             | V        | V             | V      | 4             |          | П        | 7        |          | 54       |          | T             |         | Т        |               |               | $\top$        | 1   |          | 104        |          | П | П         | $\neg$        |          | $\neg$        | T        | $\neg$   | _ |
|       | 5        | V             | V        | √             | V      | √             |          |          |          |          | 55       |          | $\Box$        |         |          |               |               |               | ]   |          | 105        |          |   |           |               |          |               |          |          | Ξ |
|       | 6        | -             | -        | -             | -      | -             |          |          |          |          | 56       |          |               |         |          |               |               |               | ]   |          | 106        |          |   |           |               |          |               |          |          |   |
|       | 7        | Ŀ             | -        | Ŀ             | Ŀ      | -             | ш        | $\perp$  | _        |          | 57       |          | 4             | $\perp$ | ╙        |               | _             | $\perp$       | Į   |          | 107        |          |   |           | _             |          | _             |          | _        |   |
|       | 8        | Ŀ             | -        | Ŀ             | Ŀ      | -             | ш        |          | _        |          | 58       |          | 4             | $\perp$ | $\perp$  |               |               | $\perp$       | Į   |          | 108        |          |   |           | _             |          | _             |          | _        |   |
|       | 9        | -             | -        | -             | -      | -             | ш        | $\perp$  | _        |          | 59       |          | 4             | _       | $\perp$  |               | $\perp$       | $\perp$       | Į   |          | 109        |          |   |           | _             |          |               | _        | _        |   |
|       | 10       |               | -        | -             | ŀ      |               | ш        | $\perp$  | 4        |          | 60       |          | $\perp$       | _       |          |               | _             | $\perp$       | l   |          | 110        |          |   |           |               |          |               |          |          |   |
| _     | 11       | Ŀ             | -        | Ŀ             | Ŀ      |               | $\perp$  | $\perp$  | 4        | <u> </u> | 61       | Ш        | 4             | 4       | 1        | Ш             | 4             | _             | 1   | $\vdash$ | 111        | ш        | Ш | Ш         | _             |          | _             | _        | _        |   |
| _     | 12       | -             | -        | -             | -      | -             | $\vdash$ | $\vdash$ | -        | -        | 62       | Ш        | +             | _       | $\vdash$ | Н             | 4             | +             | 1   | $\vdash$ | 112        | ш        | Ш | Ш         | _             | _        | _             | _        | _        | _ |
| _     | 13       | V             | V        | V             | V      | ٧             | $\vdash$ | $\perp$  | -        | $\vdash$ | 63       | Н        | +             | -       | ┺        | Н             | +             | +             | 1   | $\vdash$ | 113        | $\vdash$ | Ш | Н         | _             | _        | _             | _        | -        | _ |
| -     | 14       | V             | V        | 4             |        | 4             | $\vdash$ | $\vdash$ | -        | $\vdash$ | 64       | Н        | +             | +       | $\vdash$ | Н             | +             | +             | 1   |          | 114        | $\vdash$ | Н | Н         | $\dashv$      | -        | $\dashv$      | $\dashv$ | $\dashv$ | _ |
| -     | 15       | 4             | V        | A.            | V      | V             | $\vdash$ | +        |          | $\vdash$ | 65<br>66 | $\vdash$ | +             | +       | +        | $\vdash$      | +             | +             | 1   | $\vdash$ | 115        | $\vdash$ | Н | $\vdash$  | $\dashv$      | $\dashv$ | $\dashv$      | _        | $\dashv$ | _ |
| _     | 17       |               | -        |               | -      | ٠,            | $\vdash$ | $\vdash$ | -        | $\vdash$ | 67       | $\vdash$ | $\rightarrow$ | +       | +        | $\rightarrow$ | -             | +             | 1   | $\vdash$ | 117        | Н        | Н | $\vdash$  | $\dashv$      | $\dashv$ | $\dashv$      | -        | $\dashv$ | _ |
| _     | 18       |               | ÷        |               | ÷      | -             | $\vdash$ | $\vdash$ | $\dashv$ | -        | 68       | Н        | +             | +       | +        | $\vdash$      | +             | +             | ł   | $\vdash$ | 118        | Н        | Н | $\vdash$  | $\dashv$      | $\dashv$ | $\dashv$      | -        | $\dashv$ | _ |
|       | 19       | 1             | V        | 1             | _      | ·             | $\vdash$ | $\vdash$ | $\dashv$ | _        | 69       | $\vdash$ | $\rightarrow$ | +       | +        | $\dashv$      | $\rightarrow$ | -             | 1   | $\vdash$ | 119        | Н        | Н | $\vdash$  | $\dashv$      | $\dashv$ | $\dashv$      | -        | $\dashv$ | _ |
| _     | 20       | V             | v        | V             | V      | 4             | $\vdash$ | +        | $\dashv$ | _        | 70       | Н        | +             | +       | +        | $\vdash$      | +             | +             | 1   | $\vdash$ | 120        | Н        | Н | $\vdash$  | $\dashv$      | $\dashv$ | $\dashv$      | $\dashv$ | $\dashv$ | _ |
| _     | 21       | <u>'</u>      | Ť        | <u>'</u>      | Ť      | v             | $\vdash$ | +        | $\dashv$ | -        | 71       | $\vdash$ | $\rightarrow$ | +       | +        | $\dashv$      | $\rightarrow$ | +             | 1   | $\vdash$ | 121        | Н        | Н | $\vdash$  | $\dashv$      | $\dashv$ | $\dashv$      | -        | $\dashv$ | - |
| _     | 22       | $\vdash$      | -        | $\vdash$      | Н      | v             | $\vdash$ | +        | $\dashv$ | _        | 72       | $\vdash$ | $\rightarrow$ | +       | +        | $\dashv$      | $\rightarrow$ | +             | 1   |          | 122        | Н        | Н | $\vdash$  | $\dashv$      | $\dashv$ | $\dashv$      | _        | $\dashv$ | _ |
|       | 23       | -             | -        | -             | Н      | V             | $\vdash$ | $\vdash$ | $\dashv$ |          | 73       | $\vdash$ | $\neg$        | +       | -        | $\vdash$      | _             | $\pm$         | 1   |          | 123        | Н        | Н | $\vdash$  | $\neg$        | $\neg$   | $\neg$        | _        | $\dashv$ | _ |
|       | 24       | $\vdash$      | -        |               | Н      | V             | $\vdash$ | $\Box$   | _        |          | 74       | Н        | $^{+}$        | +       | +        | $\vdash$      | $\dashv$      | +             | 1   |          | 124        |          |   | $\vdash$  |               |          |               | $\dashv$ |          | _ |
|       | 25       |               |          |               |        | V             |          | $\Box$   | _        |          | 75       |          | $\neg$        | _       |          |               | _             |               | i   |          | 125        |          | П | П         |               |          |               | _        |          | _ |
|       | 26       | $\overline{}$ | Т        | $\overline{}$ | Н      | V             |          | $\Box$   | _        |          | 76       | П        | $\top$        |         | $^{-}$   | П             | $\dashv$      | $\top$        | 1   |          | 126        | П        | П | $\Box$    | $\neg$        | $\neg$   | $\neg$        | $\neg$   | $\neg$   | _ |
|       | 27       |               |          |               | Г      | V             |          | П        | _        |          | 77       |          | $\top$        |         |          |               | 7             | $\top$        | 1   |          | 127        |          | П |           |               |          |               | $\neg$   | $\neg$   | _ |
|       | 28       |               |          |               | П      | √             | П        | П        | 7        |          | 78       |          | T             | $\top$  |          |               |               |               | 1   |          | 128        |          |   |           |               |          |               |          |          |   |
|       | 29       |               |          |               |        | ٧             |          |          |          |          | 79       |          |               |         |          |               |               |               | ]   |          | 129        |          |   |           |               |          |               |          |          |   |
|       | 30       |               |          |               |        | 4             |          |          |          |          | 80       |          |               |         |          |               |               |               |     |          | 130        |          |   |           |               |          |               |          |          |   |
|       | 31       |               |          |               |        | V             |          |          | $\Box$   |          | 81       |          |               |         |          |               |               |               | l   |          | 131        |          |   |           |               |          |               |          |          |   |
|       | 32       |               |          |               | L      | V             | ш        | $\perp$  | 4        |          | 82       | Ш        | 4             | _       | ┺        | $\Box$        | _             |               | Į   |          | 132        |          |   |           | _             | _        | _             | _        | _        |   |
|       | 33       | <b>—</b>      | _        | ⊢             | L      | V             | $\vdash$ | $\perp$  | _        | ⊢        | 83       | Ш        | 4             | $\perp$ | 1        | Ш             | 4             | +             | 1   | $\vdash$ | 133        | ш        | Ш | $\sqcup$  | _             | _        | _             | _        | _        | _ |
|       | 34       | $\vdash$      | _        | -             | H      | -             | $\vdash$ | $\vdash$ |          | $\vdash$ | 84       | Н        | +             | +       | 4        | Н             | +             | +             | 1   | $\vdash$ | 134        | $\vdash$ | Н | $\vdash$  | _             | _        | _             | _        | $\dashv$ | _ |
|       | 35       | $\vdash$      |          | $\vdash$      | Н      | $\vdash$      | $\vdash$ | $\vdash$ | $\dashv$ | $\vdash$ | 85       | $\vdash$ | +             | +       | ⊬        | $\vdash$      | +             | +             | 1   | $\vdash$ | 135        | $\vdash$ | Н | $\vdash$  | $\rightarrow$ | _        | $\rightarrow$ | -        | $\dashv$ | _ |
|       | 36<br>37 | $\vdash$      | H        | $\vdash$      | Н      | ⊢             | $\vdash$ | $\vdash$ | -        | $\vdash$ | 86<br>87 | $\vdash$ | +             | +       | +        | Н             | +             | +             | 1   | $\vdash$ | 136<br>137 |          | Н | $\vdash$  | $\dashv$      | $\dashv$ | $\dashv$      | -        | $\dashv$ | _ |
|       | 38       | $\vdash$      | -        | $\vdash$      |        | -             | +        | $\vdash$ | $\dashv$ |          | 88       | Н        | +             | +       | +        | Н             | +             | +             | 1   | $\vdash$ | 137        |          | Н | $\vdash$  | $\dashv$      |          | $\dashv$      | -        | -        | - |
| _     | 39       | $\vdash$      |          |               |        | -             | +        | +        | -        |          | 89       | $\vdash$ | +             | +       | 1        | Н             | +             | +             | f u | -        | 138        |          | Н | Н         |               | $\dashv$ |               | +        |          | _ |
| -     | 40       | $\vdash$      | H        | $\vdash$      | Н      | +             | $\vdash$ | +        | -        | -        | 90       | Н        | +             | +       | +        | Н             | +             | +             |     | $\vdash$ | 140        | Н        | Н | Н         | -             | $\dashv$ | -             | +        | $\dashv$ | - |
| -     | 41       | $\vdash$      | -        | $\vdash$      | Н      | +             | $\vdash$ |          | -1       | -        | 91       | Н        | +             | +       | 1        | Н             | +             | +             |     | $\vdash$ | 141        |          | Н | Н         | $\dashv$      | $\dashv$ | $\dashv$      | $\dashv$ | $\dashv$ | - |
| -     | 42       | $\vdash$      | Н        |               | Н      | +             |          | +        | -        | $\vdash$ | 92       | Н        | +             | +       | Н        | Н             | +             | +             |     |          | 142        | Н        | Н | Н         | $\dashv$      | $\dashv$ | $\dashv$      | $\dashv$ | $\dashv$ | - |
| _     | 43       | $\vdash$      |          |               | Н      |               |          | $\vdash$ | -1       |          | 93       | Н        | +             | +       | +        | Н             | $^+$          | +             |     |          | 143        | Н        | Н | Н         | -             | -        | $\dashv$      | _        | $\dashv$ | - |
| -     | 44       | $\vdash$      |          |               | Н      |               | $\vdash$ |          | -i       |          | 94       | Н        | +             | +       | 1        | Н             | +             | +             | i   |          | 144        | Н        | Н | $\forall$ | _             | _        | $\dashv$      | _        | $\dashv$ | _ |
|       | 45       |               |          |               | Н      |               |          | $\vdash$ | -11      |          | 95       | Н        | +             | $\top$  | $^{+}$   | Н             | $^{+}$        | $\top$        |     |          | 145        |          | П | Н         | $\neg$        | $\neg$   | $\neg$        | $\dashv$ | $\dashv$ | _ |
|       | 40       |               |          |               | Н      |               |          | H        | -i       |          | 96       | Н        | $^{+}$        | $\top$  | $^{-}$   | Н             | $^{+}$        | $\top$        |     |          | 140        |          | П | $\vdash$  | $\neg$        | $\neg$   | $\neg$        | $\dashv$ | $\dashv$ | _ |
|       | 47       |               |          |               | Т      |               |          |          | ┥.       |          | 97       | П        | 7             | $\top$  |          | П             | $\top$        | $\top$        | 1   |          | 147        |          | П | $\Box$    | $\neg$        | $\neg$   | $\neg$        | _        | $\dashv$ | _ |
|       | 40       |               |          |               |        |               |          |          |          |          | 98       |          |               | $\top$  |          |               | $\top$        | $\top$        | 1   |          | 140        |          | П |           | $\neg$        |          | $\neg$        | _        | $\neg$   | _ |
|       | 49       |               |          |               |        |               |          |          | _        |          | 99       |          |               |         |          |               |               |               | 1   |          | 149        |          |   |           |               |          |               |          | $\neg$   | _ |
|       | 50       | Г             |          |               | Г      | П             |          | П        | 7        |          | 100      |          | T             | $\top$  | Т        |               | T             | Т             | 1   |          | 150        | П        | П |           | $\neg$        |          | $\neg$        | T        | $\neg$   | Т |